

Earth and Planetary Science Letters 128 (1994) 759-761

Contents Volume 128

128 (1/2)

Hydrothermal plumes along the East Pacific Rise, 8°40′ to 11°50′N: Plume distribution and relationship to the apparent magmatic budget	
E.T. Baker, R.A. Feely, M.J. Mottl, F.T. Sansone, C.G. Wheat, J.A. Resing and J.E. Lupton	
R.A. Feely, J.F. Gendron, E.T. Baker and G.T. Lebon	19
H.A. Pedersen, M. Campillo and N. Balling	3
H. Yurimoto, H. Nagasawa, Y. Mori and O. Matsubaya	4
128 (3/4)	
Block versus continuum deformation in the Western United States	
G. King, D. Oppenheimer and F. Amelung	5.
S.C. Stiros, L. Marangou and M. Arnold	6.
X. Le Pichon, S. Lallemant, M. Fournier, J.P. Cadet and K. Kobayashi	7
S.M. Carbotte and K.C. Macdonald	85
Plate boundary geometry to Moho depths within the 9°03′N and 12°54′N overlapping spreading centers of the East Pacific Rise	
G.A. Barth	99
B. Romanowicz	113
Dynamical influences on the moment of inertia tensor from lateral viscosity variations inferred from seismic tomographic models	
S. Zhang and D.A. Yuen Evidence for variable upper mantle temperature and crustal thickness in and near the Australian-Antarctic Discordance	123
B.P. West, JC. Sempéré, D.G. Pyle, J. Phipps Morgan and D.M. Christie	135
G.E. Williams	155
D. Craw, P.O. Koons, D. Winslow, C.P. Chamberlain and P. Zeitler	169
JI. Ishibashi, H. Wakita, Y. Nojiri, D. Grimaud, P. Jean-Baptiste, T. Gamo, JM. Auzende and T. Urabe Trace elements in diamond inclusions from eclogites reveal link to Archean granites	183
T.R. Ireland, R.L. Rudnick and Z. Spetsius	199
J.D. Vervoort, W.M. White and R.I. Thorpe	215

Oxygen isotope composition of mantle peridotite	
D. Mattey, D. Lowry and C. Macpherson	231
C-He-Ar variations within a dunite nodule as a function of fluid inclusion morphology	
P.G. Burnard, F. Stuart and G. Turner	243
Carbonatite melt compositions in the Earth's mantle	
R.J. Sweeney	259
Isotopic characteristics of mantle sources for Quaternary continental alkaline magmas in the northern Canadian Cordillera	
J. Carignan, J. Ludden and D. Francis	271
Os isotopic variation in basalts from Haleakala Volcano, Maui, Hawaii: A record of magmatic processes in oceanic mantle	
and crust	
C.E. Martin, R.W. Carlson, S.B. Shirey, F.A. Frey and CY. Chen	287
Komatiites and picrites: evidence that the 'plume' source is depleted	
D.L. Anderson	303
Experimental demonstration of refractory carbonate-bearing eclogite and siliceous melt in the subduction regime	
G.M. Yaxley and D.H. Green	313
Rutile-aqueous fluid partitioning of Nb, Ta, Hf, Zr, U and Th: implications for high field strength element depletions in	
island-arc basalts	
J.M. Brenan, H.F. Shaw, D.L. Phinney and F.J. Ryerson	327
³ He evidence for a wide zone of active mantle melting beneath the Central Andes	
L. Hoke, D.R. Hilton, S.H. Lamb, K. Hammerschmidt and H. Friedrichsen	341
The Anari and Tapirapua Jurassic formations, western Brazil: paleomagnetism, geochemistry and geochronology	
C.R. Montes-Lauar, I.G. Pacca, A.J. Melfi, E.M. Piccirillo, G. Bellieni, R. Petrini and R. Rizzieri	357
Mixture modeling of multi-component data sets with application to ion-probe zircon ages	
M.S. Sambridge and W. Compston	373
Electron microprobe observations of Pb diffusion in metamorphosed detrital monazites	
K. Suzuki, M. Adachi and I. Kajizuka	391
Compositional controls on the partitioning of U, Th, Ba, Pb, Sr and Zr between clinopyroxene and haplobasaltic melts:	
implications for uranium series disequilibria in basalts	
C.C. Lundstrom, H.F. Shaw, F.J. Ryerson, D.L. Phinney, J.B. Gill and Q. Williams	407
Radioactive disequilibria from 2D models of melt generation by plumes and ridges	
C. Richardson and D. McKenzie	425
Oxygen fugacity of the diamond + C-O fluid assemblage and CO ₂ fugacity at 8 GPa	
T. LaTourrette and J.R. Holloway	439
TOF-SIMS analysis of interplanetary dust	
T. Stephan, E.K. Jessberger, W. Klöck, H. Rulle and J. Zehnpfenning	453
Low-Ca pyroxenes from LL group chondritic meteorites: crystal structural studies and implications for their thermal	
histories	
G. Artioli and G. Davoli	469
Antarctic FRO90011 lodranite: Cooling history from pyroxene crystal chemistry and microstructure	
G. Molin, M.C. Domeneghetti, G. Salviulo, M. Stimpfl and M. Tribaudino	479
Late Pleistocene and Holocene ice mass fluctuations and the Earth's precession constant	
J.X. Mitrovica, R. Pan and A.M. Forte	489
Loess deposits from the Tajik depression (Central Asia): Magnetic properties and paleoclimate	
Th. Forster and F. Heller	501
Magnetostratigraphic dating of the middle Miocene climate change in the continental deposits of the Aragonian type area in	
the Calatayud-Teruel basin (Central Spain)	
W. Krijgsman, C.G. Langereis, R. Daams and A.J. van der Meulen	513
Long-term secular variation of the geomagnetic field during the last 200 kyr recorded in sediment cores from the western	
equatorial Pacific	
T. Yamazaki and N. Ioka Particle mixing rates in sediments of the northeast tropical Atlantic: Evidence from ²¹⁰ Pb _{xs} , ¹³⁷ Cs, ²²⁸ Th _{xs} and ²³⁴ Th _{xs}	527
Particle mixing rates in sediments of the northeast tropical Atlantic: Evidence from Pb _{xs} , Cs, Th _{xs} and Th _{xs}	
downcore distributions E. Lacelour, J. L. Borres and S. Sabraidt	
F. Legeleux, JL. Reyss and S. Schmidt	545
On the occurrence of ferromanganese micronodules from the sediments of the Bengal Fan: a high terrigenous sediment	
input region O.S. Chaubar, A.B. Guian and Ch.M. Bac	512
O.S. Chauhan, A.R. Gujar and Ch.M. Rao	563

Contents Volume / Earth and Planetary Science Letters 128 (1994) 759-761	761
Advection and diffusion in marine sediments: DSDP Site 374 in the Eastern Mediterranean as an example	
D.A. Anati	575
The isotopic composition of leachable osmium from river sediments W.J. Pegram, B.K. Esser, S. Krishnaswami and K.K. Turekian	591
A flow law for anisotropic ice and its application to ice sheets	371
N. Azuma	601
G. Chen, J.A. Tyburczy and T.J. Ahrens	615
Provenance of mineral phases in the Cretaceous-Tertiary boundary sediments exposed on the southern peninsula of Haiti	015
D.A. Kring, A.R. Hildebrand and W.V. Boynton	629
Evolution of seawater ⁸⁷ Sr/ ⁸⁶ Sr over the last 400 ka: the absence of glacial/interglacial cycles G.M. Henderson, D.J. Martel, R.K. O'Nions and N.J. Shackleton	643
Uranium-xenon chronology: precise determination of λ_{sf} , $^{136}Y_sf$ for spontaneous fission of ^{238}U	
R.A. Ragettli, E.H. Hebeda, P. Signer and R. Wieler	653
'Cambrian explosion' L.A. Derry, M.D. Brasier, R.M. Corfield, A.Yu. Rozanov and A.Yu. Zhuravlev	671
F. Langenhorst	683
Errata	
Shock experiments on pre-heated α - and β -quartz: I. Optical and density data (Earth Planet. Sci. Lett. 125, 407-420, 1994)	
F. Langenhorst and A. Deutsch	699
Near-field variability of the TAG non-buoyant plume, 26°N, Mid-Atlantic Ridge (Earth Planet. Sci. Lett. 127, 1–10, 1994) M.D. Rudnicki, R.H. James and H. Elderfield	701
A rock-magnetic record from Lake Baikal, Siberia: Evidence for Late Quaternary climate change (Earth Planet. Sci. Lett.	
122, 221–238, 1994)	702
J.A. Peck, J.W. King, S.M. Colman and V.A. Kravchinsky	703
E.H. Bailey and K.V. Ragnarsdottir	705
Evapora Latters	
Express Letters	
Anomalous earthquakes on volcano ring-fault structures	
G. Ekström	707
Express Letter Palaeomagnetic dating of the earliest continental Himalayan foredeep sediments: Implications for Himalayan evolution	
Y.M.R. Najman, R.J. Enkin, M.R.W. Johnson, A.H.F. Robertson and J. Baker	713
Impact winter and the Cretaceous/Tertiary extinctions: Results of a Chicxulub asteroid impact model	710
K.O. Pope, K.H. Baines, A.C. Ocampo and B.A. Ivanov	719
Discussion	
"Boron content and isotopic composition of oceanic basalts: Geochemical and cosmochemical implications" by M. Chaussidon and A. Jambon	
Comment by CF. You	727 731
Author Index Volumes 120-126	735
Author Index Volume 128	753
Contents Volume 128	759

